



# Traffic Flow Management (TFM) in Fast-Time Simulation

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Center



# Action Plan 9 – Points of Contact



- Europe :
  - Manuel Dorado (AENA)
- USA
  - Albert Schwartz (FAA - WJHTC)



# Welcome



- Logistics
  - Technical Center
  - Packets
- Introductions
  - Name
  - Organization
  - What would you like to get from this meeting and what you think you can contribute
  - Something unique about yourself



# Objective



*“Identify the current and future state of Traffic Flow Management in Fast-Time Simulation”*



# Focus



- Survey existing models and methods for Traffic Flow Management (TFM)
- Identify future TFM concepts that might be considered for Fast-Time Simulation
- Assess whether existing models can be extended to address these concepts.



# Topics



- Comparison of controller workload methods and flow control tactics in the USA and in Europe.
- Dynamic Sectorization and multisector planner modeling.
- Introduction of an expanded TFM role (future concepts) such as the multi sector planner (how do we support this in modeling)
- Metrics and alerting algorithms such as dynamic density or monitor alert (in the US) to support the traffic flow specialist
- Collaborative Decision Making (CDM) – are we interested in modeling the gaming/collaboration process?
- Cancellation and diversion of traffic – are these logic/decisions robustly represented in our current models?



# Format



- Day 1 and 2
  - 11 Presentations
    - approximately 30 minutes
    - 15 minutes of questions/comments to follow
- End of Day 2
  - Open discussion of objectives and conclusions



# Products



- Paper identifying the current and future state of TFM in Fast-Time Simulation.